Sheet 4

PLAN 15

Data Obtained and Deductions Therefrom
1916 Census – Manitoba, Saskatchewan and Alberta.

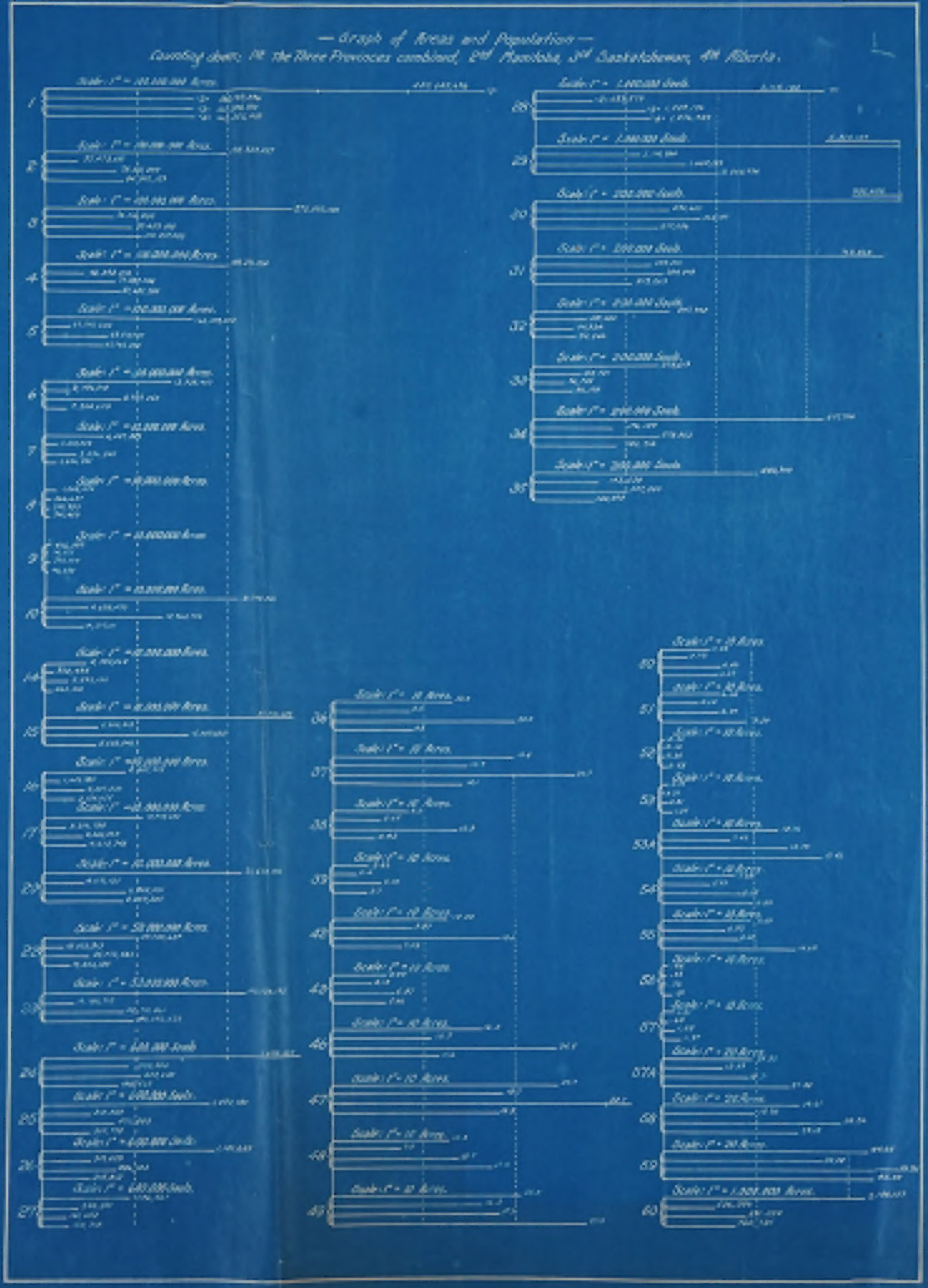
— Areas and Population. —

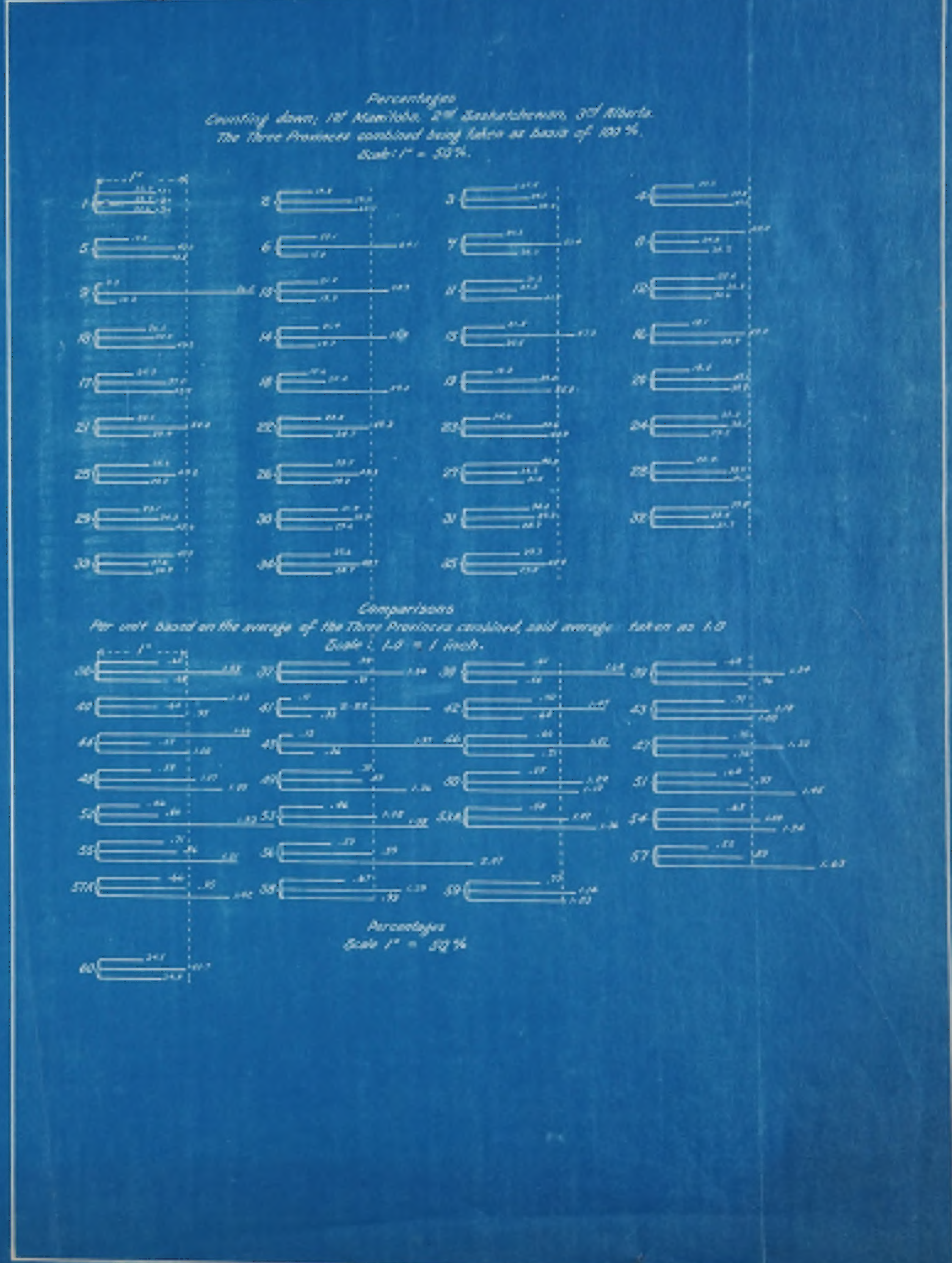
Cereals; Crop 1915

No.	Item	MANITOBA	SASKATCHEWAN	ALBERTA	THREE PROVINCES
1	Total Area, Acres.	161,172,236	161,088,000	163,382,400	485,642,636
2	Acres Surveyed.	33,473,600	78,061,297	84,902,129	196,537,027
3	Area suitable for settlement as per Year Book.	74,214,000	93,459,000	103,217,000	270,890,000
4	Area suitable for settlement as per Compiler's Estimate, which is adopted in this.	40,293,874	77,387,040	81,690,200	199,371,114
5	Area now available for settlement, (See Note A.) Surveyed.	27,015,643	68,613,057	63,562,284	160,190,988
6	Area under Wheat (Acres) Harvested.	2,796,308	8,939,283	2,044,629	13,530,827
7	" " Oats "	1,316,023	2,336,283	1,634,801	6,487,889
8	" " Barley "	266,627	293,993	341,459	1,028,072
9	" " Flax "	14,565	335,226	44,506	456,297
10	" " the foregoing cereals (Combined)	4,434,415	13,960,722	4,017,117	21,970,336
11	All other grains, Acres.	14,655	12,922	19,700	47,177
12	Roots, "	32,589	26,138	30,022	96,179
13	Cultivated Forage, "	223,963	267,978	373,339	846,465
14	Area cultivated, broken or summerfallowed 1915, Sown but not harvested which represents .22% of the four cereals, broken but not tilled and summer fallowed, these combined are assumed as 20% of the area of the four cereals.	930,481	2,552,159	862,519	4,354,863
15	Total area of Cultivated land Nos 10+11+12+13+14. (Acres)	5,300,813	15,869,032	5,403,840	27,376,685
16	Area required for Horses, (Acres)	1,646,785	4,207,535	3,184,655	8,937,975
17	" " " Cattle " (This area assumed to cover the area which furnishes prairie hay.)	2,516,786	4,044,832	4,013,788	10,634,590
18	" " " Sheep "	76,750	124,237	259,626	495,614
19	" " " Pigs "	205,604	723,727	510,606	1,332,217
20	" Total for pasturing.	4,119,123	8,903,221	8,489,345	21,678,016
21	No 15 plus No 20.	9,411,380	24,864,303	13,924,986	43,642,332
22	Area occupied by cultivated land and pasturage.	10,222,109	26,772,553	14,250,189	49,446,487
23	Total area available, less cultivated land and pasturage.	16,082,713	44,737,864	49,350,662	110,229,135
24	Total population as per census.	553,860	647,835	496,327	1,698,220
25	Rural population as per census.	332,963	472,083	307,719	1,092,720
26	Total Rural population, arrived at as per note at bottom Compiler's Estimate.	313,629	486,192	315,843	1,101,655
27	Total Urban population.	234,021	161,632	180,704	576,547
28	Total rural population based on 10 per square mile of land suitable for settlement.	699,575	1,209,176	1,276,420	3,115,164
29	The preceding plus the percentage the whole is of the rural population in each province as per census, each % being Man. 17.71, Sask. 13.73, Alta. 14.13. The population then would equal.	1,114,384	1,660,199	2,038,374	4,838,127
30	Total Male Population.	294,609	363,787	277,526	935,622
31	Total Female "	259,251	284,048	219,263	762,562
32	Total Urban population, Male.	118,480	84,924	94,544	297,948
33	" " " Female.	115,721	76,708	86,172	278,649
34	Total Rural " Male.	176,129	278,863	182,718	637,706
35	" " " Female.	143,530	207,026	133,099	483,849
36	The area of the 4 cereals combined, No of acres per unit of whole population.	8.5	24.6	6.9	13.6
37	" " " " " " " " " " rural "	14.3	34.7	16.1	20.8
38	No Acres of Wheat per unit of Total Population.	5.06	13.8	4.42	8.2
39	" " " Oats " " "	2.4	8.14	3.7	3.82
40	" " " Barley " " "	1.00	3.46	0.68	0.71
41	" " " Flax " " "	0.23	0.60	0.09	0.37
42	No Acres of Wheat per unit of Rural Population.	8.67	18.4	7.50	12.29
43	" " " Oats " " "	4.18	6.67	5.96	5.82
44	" " " Barley " " "	1.80	0.60	1.59	1.68
45	" " " Flax " " "	0.05	0.61	0.15	0.41
46	No of acres of Cultivated land as per No 15, per unit of the whole population.	10.7	24.5	11.4	16.2
47	" " " " " " " " " rural "	16.7	32.7	18.2	24.7
48	No of acres of pasturage per unit of the whole population.	7.5	13.7	17.4	12.8
49	" " " " " " " rural "	13.2	19.3	27.9	20.5
50	No of acres of pasturage for Horses, per unit of whole population.	2.92	6.49	6.20	5.28
51	" " " " " Cattle " "	4.00	6.04	9.30	6.40
52	" " " " " Sheep " "	0.14	0.20	0.58	0.33
53	" " " " " Pigs " "	0.37	0.61	1.23	0.79
53A	" " " " " Stock combined per unit of whole population.	7.43	13.36	17.42	12.76
54	No of acres of pasturage for Horses per unit of rural population.	5.57	8.43	9.63	7.38
55	" " " " " Cattle "	6.53	8.03	16.61	9.69
56	" " " " " Sheep "	.32	.26	.81	.44
57	" " " " " Pigs "	.64	1.09	1.97	1.21
57A	" " " " " Stock combined per unit of rural population.	13.89	18.31	29.08	19.02
58	Combining cultivated land and pasturage (No 22) No of ac per unit whole pop.	19.96	35.04	29.18	29.41
59	" " " " " " " rural "	34.46	50.87	45.86	46.52
60	Assuming prairie hay one ton per acre.	536,396	891,027	740,701	2,168,127

Note:

Rural Population as per Compiler's estimate and which is the one used in this statement, is arrived at by taking as Rural, 1% of the Cities, plus 5% of the Towns, plus 25% of the Villages. By so much as these added percentages increase the Rural, the Urban is decreased. Hence Urban as thus differs from Census returns. This adds to the Rural population as per Census, the following percentage of the whole population. The Three Provinces 2.48 Manitoba 2.17 Saskatchewan 3.20 Alberta 2.41





Sheet 1

PLAN 15

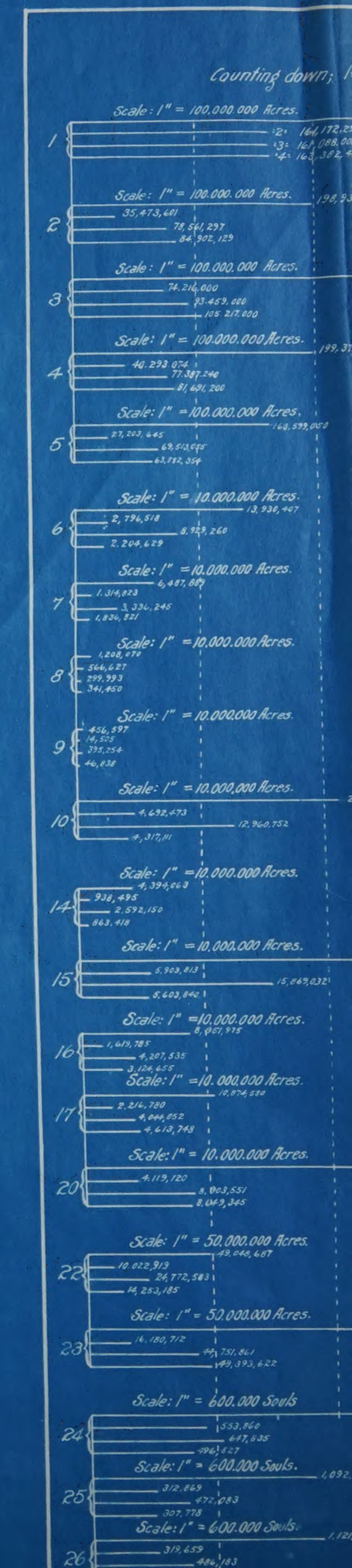
Data Obtained and Deductions Therefrom
1916 Census – Manitoba, Saskatchewan and Alberta.

— Areas and Population. —
Cereals; Crop 1915

		MANITOBA	SASKATCHEWAN	ALBERTA	THREE PROVINCES.
1	Total Area, Acres.	161.172.296	161.088.000	163.382.400	485.642.696
2	Acres Surveyed.	35.473.601	78.561.297	84.902.129	198.937.027
3	Area suitable for settlement as per Year Book.	74.216.000	93.459.000	105.217.000	272.892.000
4	Area suitable for settlement as per Compiler's Estimate which is adopted in this.	40.293.074	77.387.240	81.691.200	199.371.514
5	Area now available for settlement. (See Note A.) Surveyed.	27.203.645	69.513.055	63.882.354	160.599.050
6	Area under Wheat (Acres) Harvested.	2.796.518	8.929.260	2.204.629	13.930.407
7	" " Oats " "	1.314.823	3.336.245	1.836.821	6.487.889
8	" " Barley " "	566.627	299.993	341.450	1.208.070
9	" " Flax " "	14.505	395.254	46.838	456.597
10	" " the foregoing cereals (Combined.)	4.692.473	12.960.752	4.317.111	21.970.336
11	All other grains, Acres.	14.855	12.922	19.750	47.527
12	Roots, "	32.027	36.130	30.022	98.179
13	Cultivated Forage, "	225.963	267.078	373.559	866.600
14	Area cultivated, broken or summer-fallowed 1915, Sown but not harvested which represents .056% of the four cereals; broken but not tilled and summer fallowed, three combined are assumed as 20% of the area of the four cereals.	938.495	2.592.150	863.418	4.394.063
15	Total area of Cultivated land Nos 10+11+12+13+14. (Acres.)	5.903.813	15.869.032	5.603.840	27.376.685
16	Area required for Horses, (Acres) } This area assumed to cover the area which furnishes prairie hay.	1.619.785	4.207.535	3.124.655	8.951.975
17	" " " Cattle "	2.216.780	4.044.052	4.613.748	10.874.580
18	" " " Sheep "	76.751	124.237	289.626	490.614
19	" " " Pigs "	205.804	527.727	620.686	1.354.217
20	" total for pasturing.	4.119.120	8.903.551	8.649.345	21.672.016
21	No 10 plus No 20.	8.811.593	21.864.303	12.966.456	43.642.352
22	Area occupied by cultivated land and pasturage.	10.022.919	24.772.583	14.253.185	49.048.687
23	Total area available, less cultivated land and pasturage.	16.180.712	44.751.861	49.393.622	110.326.195
24	Total population as per census.	553.860	647.835	496.527	1.698.222
25	Rural population as per census.	312.869	472.083	307.778	1.092.730
26	Total Rural population; arrived at as per note at bottom Compiler's Estimate.	319.659	486.183	315.813	1.121.655
27	Total Urban population.	234.201	161.652	180.714	576.567
28	Total rural population based on 10 per square mile of land suitable for settlement.	629.579	1.209.176	1.276.425	3.115.180
29	The preceding plus the percentage the whole is of the rural population in each province as per census, such % being Man. 177.1, Sask. 137.3, Alta. 161.3. The population then would equal.	1.114.984	1.660.199	2.058.974	4.834.157
30	Total Male Population.	294.609	363.787	277.256	935.652
31	Total Female "	259.251	284.048	219.269	762.568
32	Total Urban population, Male.	118.480	84.924	94.544	297.948
33	" " " Female.	115.721	76.728	86.170	278.619
34	Total Rural " Male.	176.129	278.863	182.714	637.706
35	" " " Female.	143.530	207.320	133.099	483.949
36	The area of the 4 cereals combined; No of acres per unit of whole population.	8.5	20.0	8.9	13.0
37	" " " " " " " " " " " " rural "	14.9	26.7	14.1	19.8
38	No Acres of Wheat per unit of Total Population.	5.05	13.8	4.43	8.2
39	" " " Oats " " " " "	2.4	5.14	3.7	3.82
40	" " " Barley " " " " "	1.02	0.46	0.68	0.71
41	" " " Flax " " " " "	0.03	0.60	0.09	0.27
42	No Acres of Wheat per unit of Rural Population.	8.87	18.4	7.52	12.49
43	" " " Oats " " " " "	4.18	6.87	5.86	5.82
44	" " " Barley " " " " "	1.80	0.62	1.09	1.08
45	" " " Flax " " " " "	0.05	0.81	0.15	0.41
46	No of acres of Cultivated land as per No 15, per unit of the whole population.	10.7	24.5	11.6	16.2
47	" " " " " " " " " " " " " " rural "	18.7	32.7	18.3	24.7
48	No of acres of pasturage per unit of the whole population.	7.5	13.7	17.4	12.8
49	" " " " " " " " " rural "	16.3	18.3	27.9	20.5
50	No of acres of pasturage for Horses, per unit of whole population.	2.92	6.49	6.29	5.28
51	" " " " " " Cattle " " " " "	4.00	6.24	9.30	6.40
52	" " " " " " Sheep " " " " "	0.14	0.20	0.58	0.30
53	" " " " " " Pigs " " " " "	0.37	0.81	1.25	0.79
53A	" " " " " " Stock combined per unit of whole population.	7.43	13.74	17.42	12.76
54	No of acres of pasturage for Horses per unit of rural population.	5.07	8.65	9.89	7.98
55	" " " " " " Cattle " " " " "	6.93	8.32	14.61	9.69
56	" " " " " " Sheep " " " " "	.23	.26	.91	.44
57	" " " " " " Pigs " " " " "	.64	1.08	1.97	1.21
57A	" " " " " " Stock combined per unit of rural population.	12.89	18.31	27.38	19.32
58	Combining cultivated land and pasturage (No 22) No of ac. per unit whole pop.	19.90	38.24	29.18	29.61
59	" " " " " " " " " " " rural "	34.48	50.95	45.88	44.55
60	Assuming prairie hay one ton per acre.	536.386	891.050	760.721	2.188.157

Note:

Rural Population as per Compiler's estimate and which is the one used in this statement, is arrived at by taking as Rural, 1% of the Cities, plus 8% of the Towns, plus 20% of the Villages. By so much as those added percentages increases the Rural, the Urban is decreased, hence Urban in this differs from Census returns. This adds to the Rural population as per Census, the following percentage of the whole population, the — Three Provinces 2.65 Manitoba 2.17 Saskatchewan 3.23 Alberta 2.61

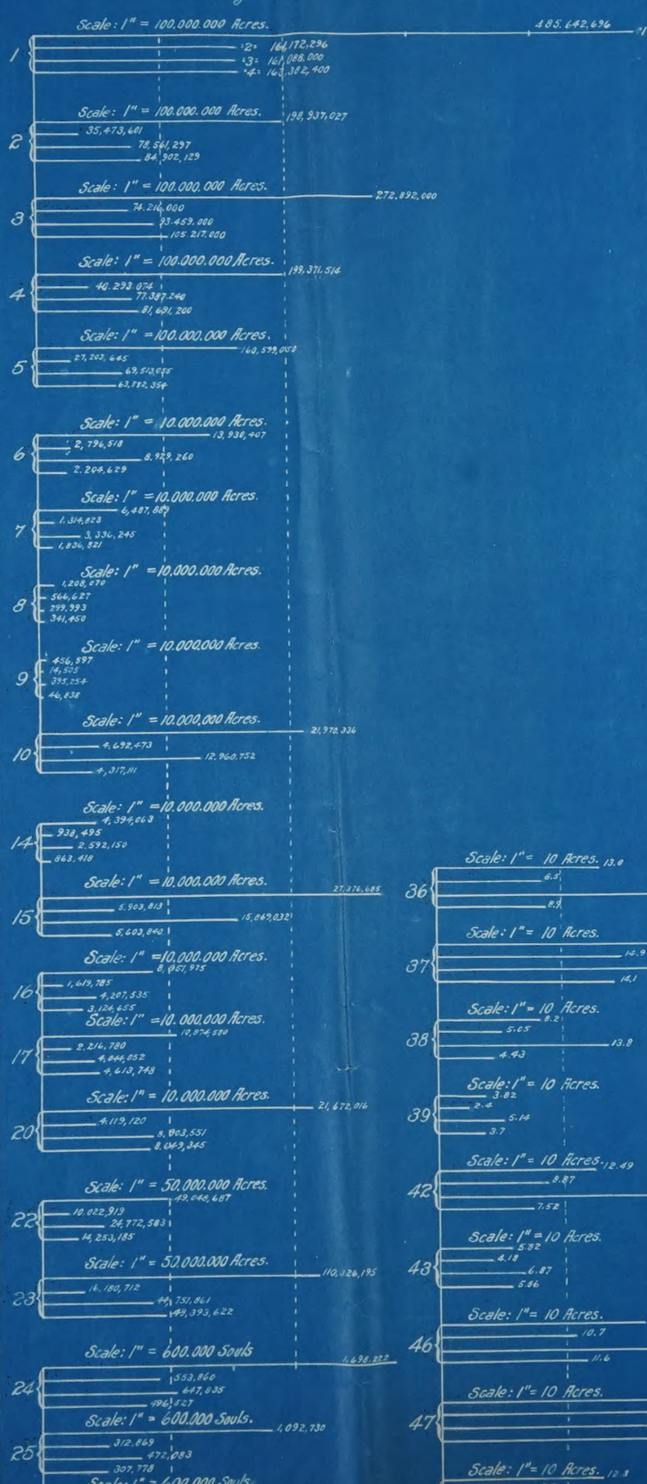


Therefrom
n and Alberta.

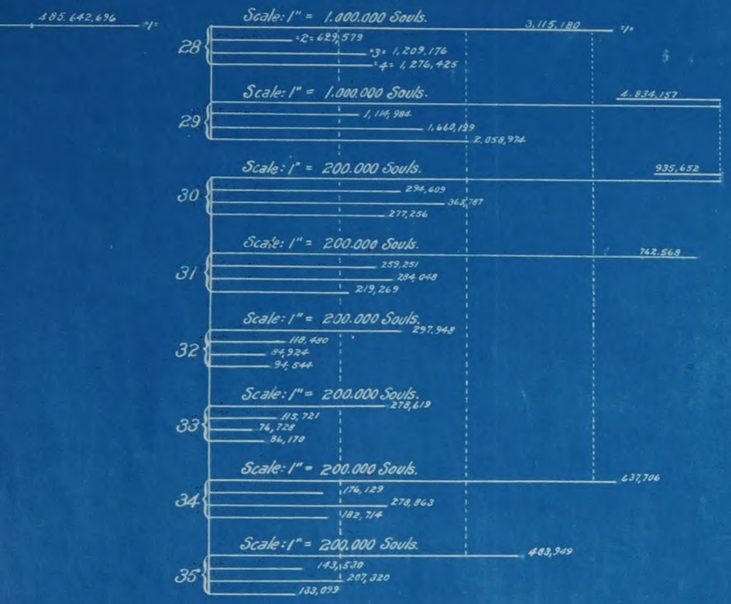
SASKATCHEWAN	ALBERTA	THREE PROVINCES.
161.088.000	163.382.400	485.642.696
78.561.297	84.902.129	198.937.027
93.459.000	105.217.000	272.892.000
77.387.240	81.691.200	199.371.514
69.513.055	63.882.354	160.599.050
8.929.260	2.204.629	13.930.407
3.336.245	1.836.821	6.487.889
299.993	341.450	1.208.070
395.254	46.838	456.597
12.960.752	4.317.111	21.970.336
12.922	19.750	47.527
36.130	30.022	98.179
267.078	373.559	866.600
2.592.150	863.418	4.394.063
15.869.032	5.603.840	27.376.685
4.207.535	3.124.655	8.951.975
4.044.052	4.613.748	10.874.580
124.237	289.626	490.614
527.727	620.696	1.354.217
8.903.551	8.649.345	21.672.016
21.864.303	12.966.456	43.642.352
24.772.583	14.253.185	49.048.687
44.751.861	49.393.622	110.326.195
647.835	496.527	1.698.222
472.083	307.778	1.092.730
486.183	315.813	1.121.655
161.652	180.714	576.567
1.209.176	1.276.425	3.115.180
1.660.199	2.058.974	4.834.157
363.787	277.256	935.652
264.048	219.269	762.568
84.924	94.544	297.948
76.728	86.170	278.619
278.863	182.714	637.706
207.320	133.099	483.949
20.0	8.9	13.0
26.7	14.1	19.8
13.8	4.43	9.2
5.14	3.7	3.82
0.46	0.68	0.71
0.60	0.09	0.27
18.4	7.52	12.49
6.87	5.66	5.82
0.62	1.09	1.08
0.81	0.15	0.41
24.5	11.6	16.2
32.7	18.3	24.7
13.7	17.4	12.8
18.3	27.9	20.5
6.49	6.29	5.28
6.24	9.30	6.40
0.20	0.58	0.30
0.81	1.25	0.79
13.74	17.42	12.76
8.65	9.89	7.98
8.32	14.61	9.69
.26	.91	.44
1.08	1.97	1.21
18.31	27.38	19.32
38.24	29.18	29.61
50.95	45.88	44.55
891.050	760.721	2.188.157

— Graph of Areas and Population —

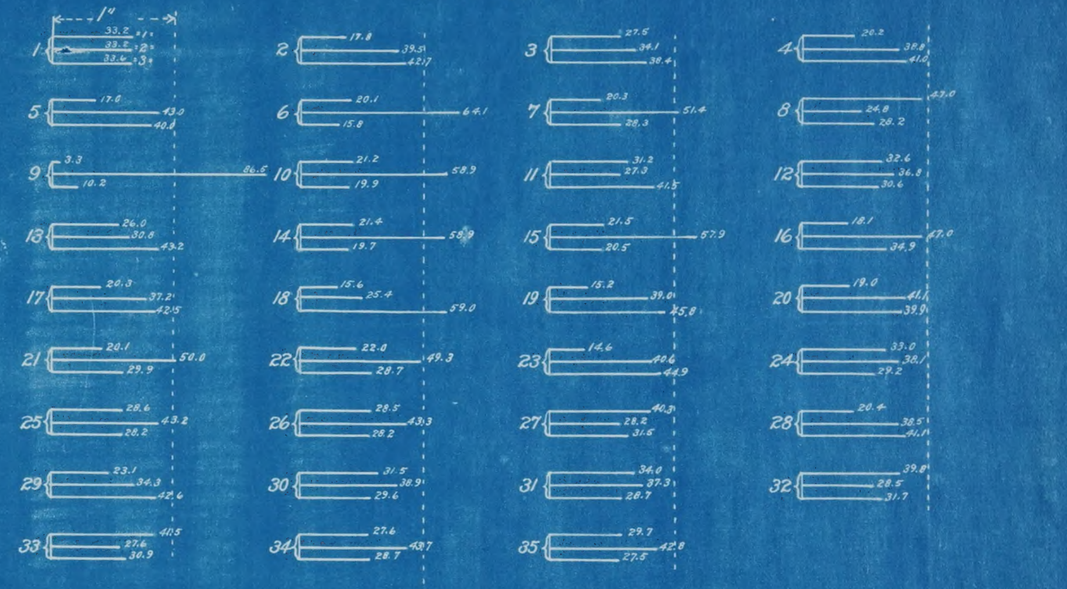
Counting down; 1st The Three Provinces combined, 2nd Manitoba, 3rd Saskatchewan, 4th Alberta.



of Areas and Population —
s combined, 2nd Manitoba, 3rd Saskatchewan, 4th Alberta.

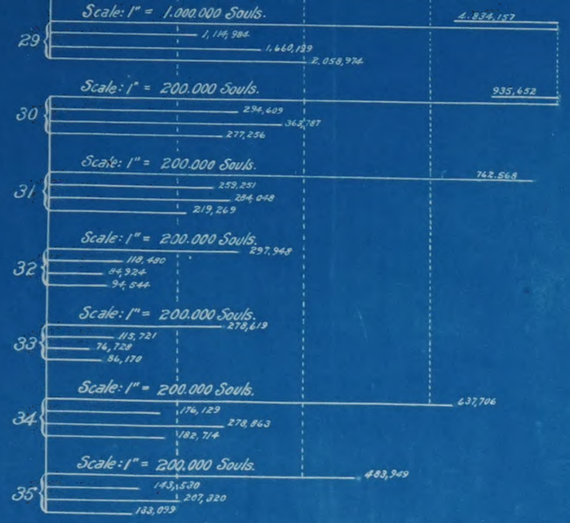


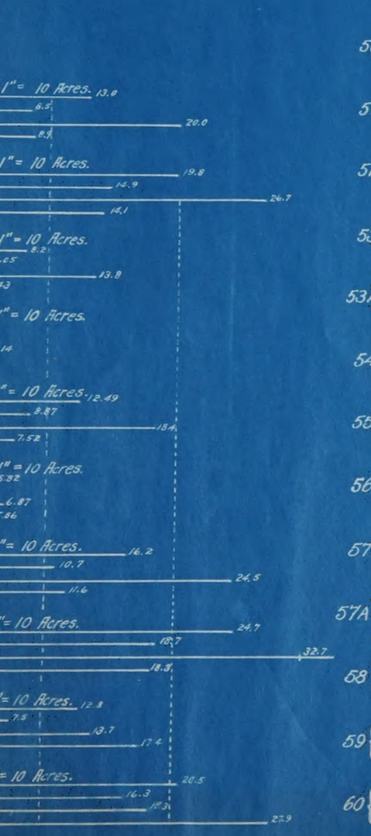
Percentages
Counting down; 1st Manitoba, 2nd Saskatchewan, 3rd Alberta.
The Three Provinces combined being taken as basis of 100%.
Scale: 1" = 50%.

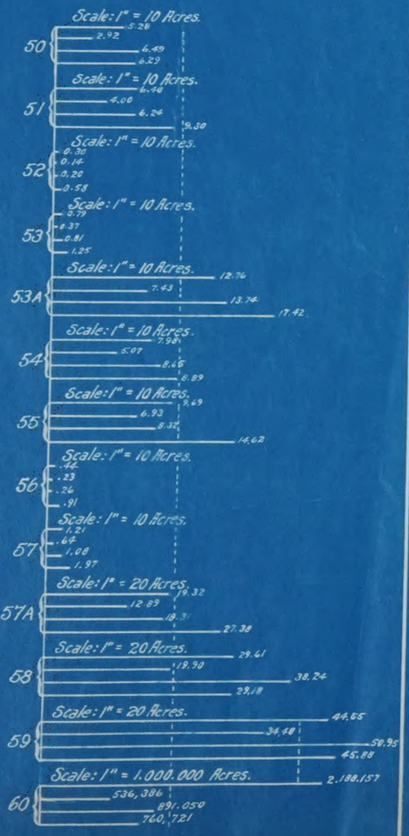


Comparisons
Per unit based on the average of the Three Provinces combined, said average taken as 1.0
Scale: 1.0 = 1 inch.

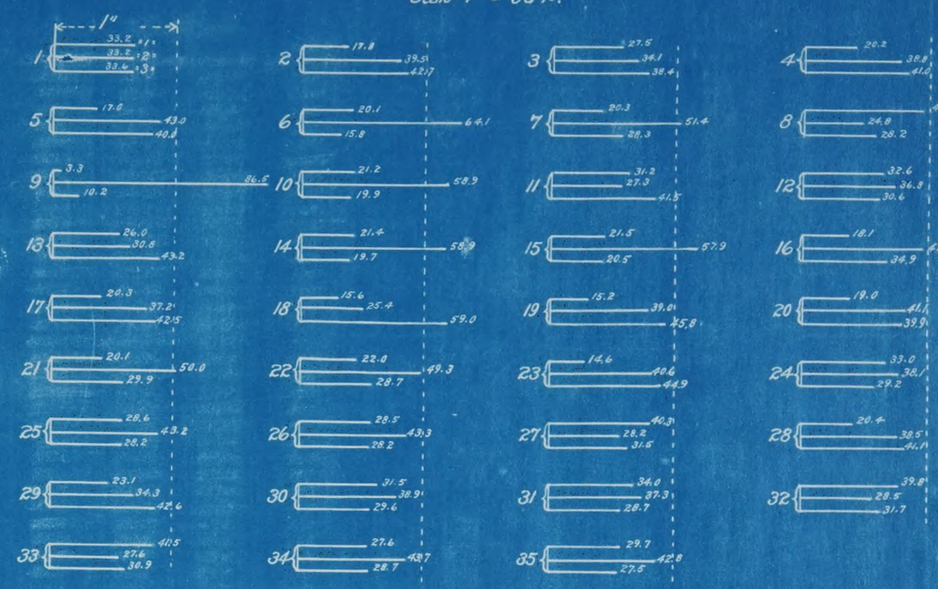
Percentages
Scale 1" = 50%





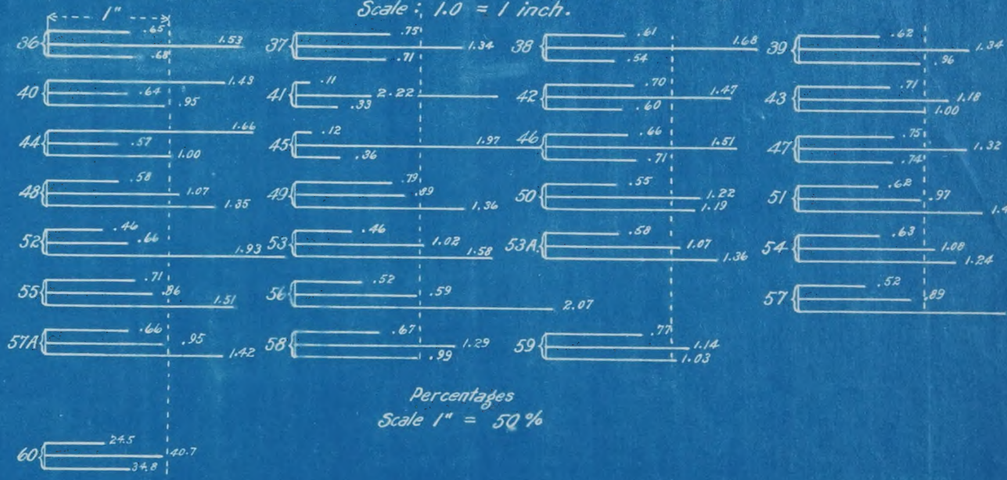


Counting down; 1st Manitoba, 2nd Saskatchewan, 3rd Alberta.
The Three Provinces combined being taken as basis of 100 %.
Scale: 1" = 50 %.



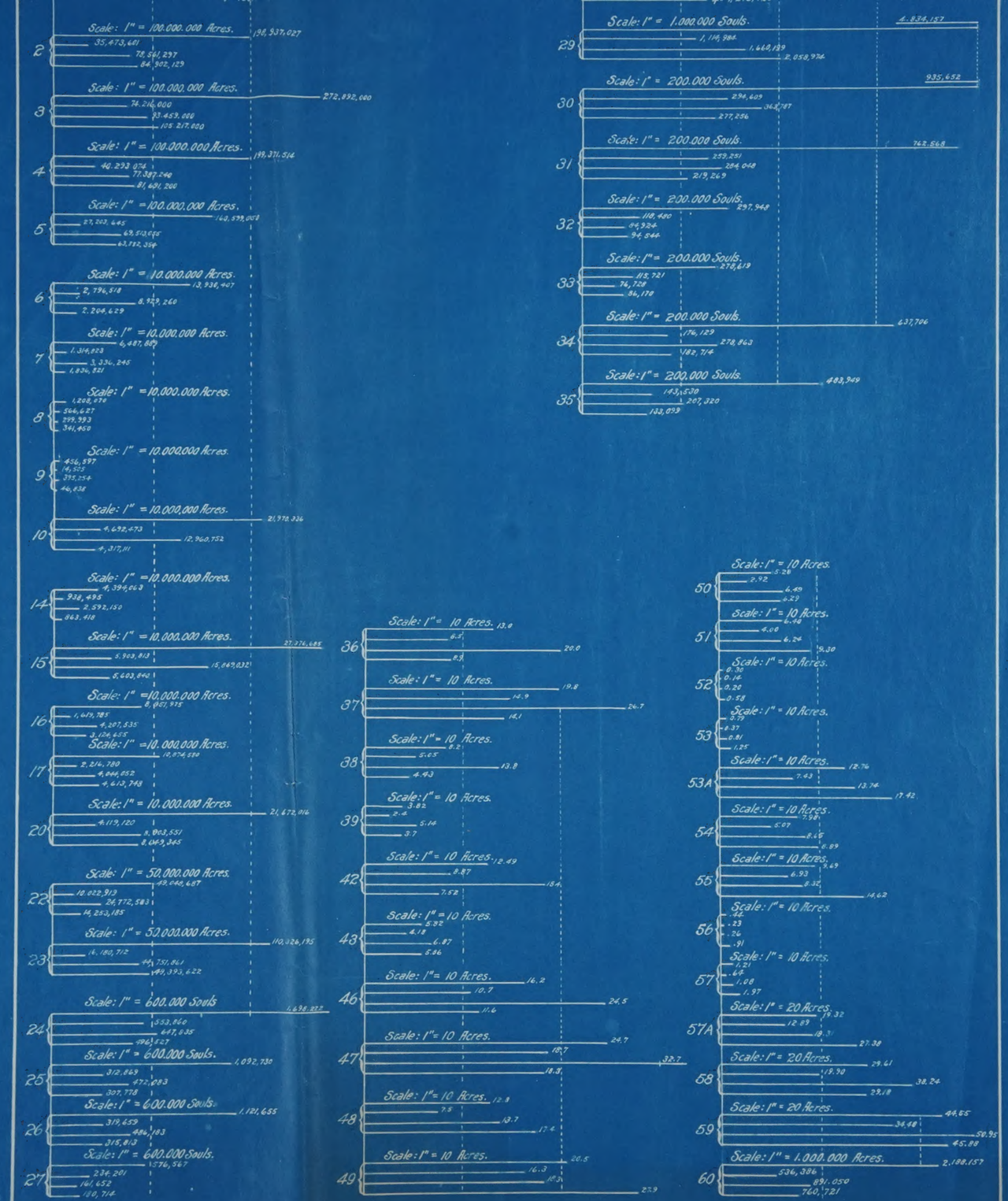
Comparisons

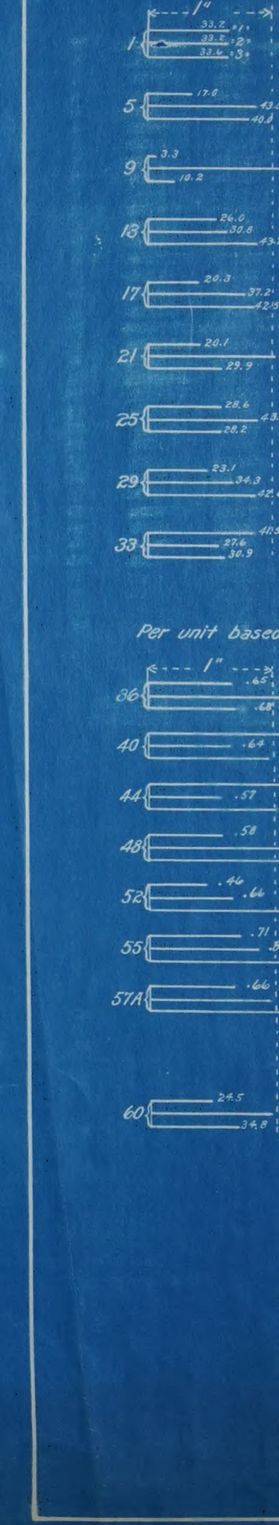
Per unit based on the average of the Three Provinces combined, said average taken as 1.0
Scale: 1.0 = 1 inch.



Percentages
Scale 1" = 50 %

ALBERTA	THREE PROVINCES.
63.382.400	485.642.696
84.902.129	198.937.027
105.217.000	272.892.000
81.691.200	199.371.514
63.882.354	160.599.050
2.204.629	13.930.407
1.836.821	6.487.889
341.450	1.208.070
46.838	456.597
4.317.111	21.970.336
19.750	47.527
30.022	98.179
373.559	866.600
863.418	4.394.063
5.603.840	27.376.685
3.124.655	8.951.975
4.613.748	10.874.580
289.626	490.614
620.696	1.354.217
8.649.345	21.672.016
12.966.856	43.642.352
14.253.185	49.048.687
49.393.622	110.326.195
496.527	1.698.222
307.778	1.092.730
315.813	1.121.655
180.714	576.567
1.276.425	3.115.180
2.058.974	4.834.157
277.256	935.652
219.269	762.568
94.544	297.948
86.170	278.619
182.714	637.706
133.099	483.949
8.9	13.0
14.1	19.8
4.43	8.2
3.7	3.82
0.68	0.71
0.09	0.27
7.52	12.49
5.86	5.82
1.09	1.08
0.15	0.41
11.6	16.2
18.3	24.7
17.4	12.8
27.9	20.5
6.29	5.28
9.30	6.40
0.58	0.30
1.25	0.79
17.42	12.76
9.89	7.98
14.61	9.69
.91	.44
1.97	1.21
27.38	19.32
29.18	29.61
45.88	44.55
760.121	2.188.157



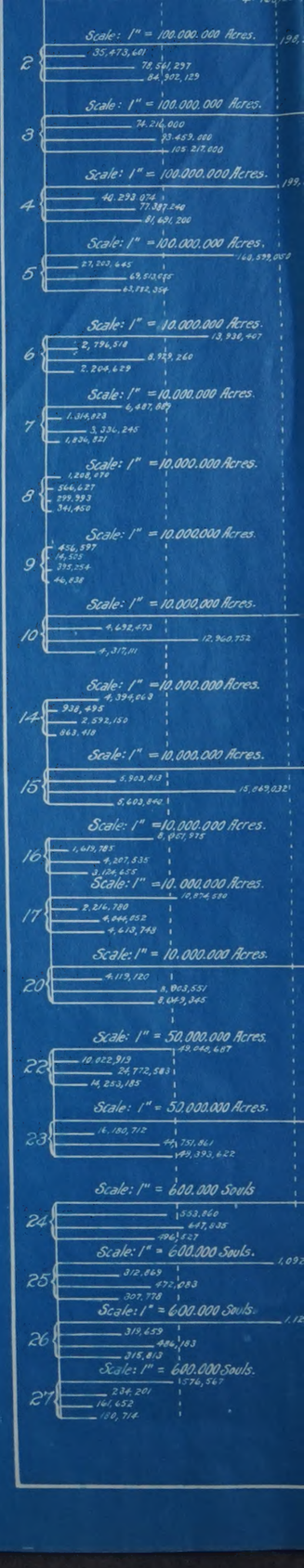


— Areas and Population. —
Cereals; Crop 1915

		MANITOBA	SASKATCHEWAN	ALBERTA	THREE PROVINCES.
1	Total Area, Acres.	161.172.296	161.088.000	163.382.400	485.642.696
2	Acres Surveyed.	35.473.601	78.561.297	84.902.129	198.937.027
3	Area suitable for settlement as per Year Book.	74.216.000	93.459.000	105.217.000	272.892.000
4	Area suitable for settlement as per Compiler's Estimate. which is adopted in this.	40.293.074	77.387.240	81.691.200	199.371.514
5	Area now available for settlement. (See Note A.) Surveyed.	27.203.645	69.513.055	63.882.354	160.599.050
6	Area under Wheat (Acres) Harvested.	2.796.518	8.929.260	2.204.629	13.930.407
7	" " Oats " "	1.314.823	3.336.245	1.836.821	6.487.889
8	" " Barley " "	566.627	299.993	341.450	1.208.070
9	" " Flax " "	14.505	395.254	46838	456.597
10	" " the foregoing cereals (Combined.)	4.692.473	12.960.752	4.317.111	21.970.336
11	All other grains, Acres.	14.855	12.922	19.750	47.527
12	Roots, "	32.027	36.130	30.022	98.179
13	Cultivated Forage, "	225.963	267.078	373.559	866.600
14	Area cultivated, broken or summerfallowed 1915, Sown but not harvested which represents .056% of the four cereals; broken but not tilled and summer fallowed, three combined are assumed as 20% of the area of the four cereals.	938.495	2.592.150	863.418	4.394.063
15	Total area of Cultivated land Nos 10+11+12+13+14. (Acres.)	5.903.813	15.869.032	5.603.840	27.376.685
16	Area required for Horses, (Acres)	1.619.785	4.207.535	3.124.655	8.951.975
17	" " " Cattle " } This area assumed to cover the	2.216.780	4.044.052	4.613.748	10.874.580
18	" " " Sheep " } area which furnishes prairie hay.	76.751	124.237	289.626	490.614
19	" " " Pigs "	205.804	527.727	620.686	1.354.217
20	" total for pasturing.	4.119.120	8.903.551	8.649.345	21.672.016
21	No 10 plus No 20.	8.811.593	21.864.303	12.966.456	43.642.352
22	Area occupied by cultivated land and pasturage.	10.022.919	24.772.583	14.253.185	49.048.687
23	Total area available, less cultivated land and pasturage.	16.160.712	44.751.861	49.393.622	110.326.195
24	Total population as per census.	553.860	647.835	496.527	1.698.222
25	Rural population as per census.	312.869	472.083	307.778	1.092.730
26	Total Rural population, arrived at as per note at bottom Compiler's Estimate.	319.659	486.183	315.813	1.121.655
27	Total Urban population.	234.201	161.652	180.714	576.567
28	Total rural population based on 10 per square mile of land suitable for settlement.	629.579	1.209.176	1.276.425	3.115.180
29	The preceding plus the percentage the whole is of the rural population in each province as per census, such % being Man. 177.1, Sask. 137.3. Alta. 161.3. The population then would equal.	1.114.984	1.660.199	2.058.974	4.834.157
30	Total Male Population.	294.609	363.787	277.256	935.652
31	Total Female "	259.251	284.048	219.269	762.568
32	Total Urban population, Male.	118.480	84.924	94.544	297.948
33	" " " Female.	115.721	76.728	86.170	278.619
34	Total Rural " Male.	176.129	278.863	182.714	637.706
35	" " " Female.	143.530	207.320	133.099	483.949
36	The area of the 4 cereals combined, No of acres per unit of whole population.	8.5	20.0	8.9	13.0
37	" " " " " " " " " " " " " " rural "	14.9	26.7	14.1	19.8
38	No Acres of Wheat per unit of Total Population.	5.05	13.8	4.43	8.2
39	" " " Oats " " " "	2.4	5.14	3.7	3.82
40	" " " Barley " " " "	1.02	0.46	0.68	0.71
41	" " " Flax " " " "	0.03	0.60	0.09	0.27
42	No Acres of Wheat per unit of Rural Population.	8.87	18.4	7.52	12.49
43	" " " Oats " " "	4.18	6.87	5.86	5.82
44	" " " Barley " " " "	1.80	0.62	1.09	1.08
45	" " " Flax " " " "	0.05	0.81	0.15	0.41
46	No of acres of Cultivated land as per No 15, per unit of the whole population.	10.7	24.5	11.6	16.2
47	" " " " " " " " " " " " " " rural "	18.7	32.7	18.3	24.7
48	No of acres of pasturage per unit of the whole population.	7.5	13.7	17.4	12.8
49	" " " " " " " " " " rural "	16.3	18.3	27.9	20.5
50	No of acres of pasturage for Horses, per unit of whole population.	2.92	6.49	6.29	5.28
51	" " " " " " Cattle " " " "	4.00	6.24	9.30	6.40
52	" " " " " " Sheep " " " "	0.14	0.20	0.58	0.30
53	" " " " " " Pigs " " " "	0.37	0.61	1.25	0.79
53A	" " " " " " Stock combined per unit of whole population.	7.43	13.74	17.42	12.76
54	No of acres of pasturage for Horses per unit of rural population.	5.07	8.65	9.89	7.98
55	" " " " " " Cattle " " " "	6.93	8.32	14.61	9.69
56	" " " " " " Sheep " " " "	.23	.26	.91	.44
57	" " " " " " Pigs " " " "	.64	1.08	1.97	1.21
57A	" " " " " " Stock combined per unit of rural population.	12.89	18.31	27.38	19.32
58	Combining cultivated land and pasturage (No 22) No of ac. per unit whole pop.	19.90	38.24	29.18	29.61
59	" " " " " " " " " " " " " " rural "	34.48	50.95	45.88	44.55
60	Assuming prairie hay one ton per acre.	536.386	891.050	760.721	2.188.157

Note:

Rural Population as per Compiler's estimate and which is the one used in this statement, is arrived at by taking as Rural, 1% of the Cities, plus 8% of the Towns, plus 20% of the Villages. By so much as those added percentages increases the Rural, the Urban is decreased, hence Urban in this differs from Census returns. This adds to the Rural population as per Census, the following percentage of the Whole population, the — Three Provinces 2.65 Manitoba 2.17 Saskatchewan 3.23 Alberta 2.61



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